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TRANSMITTA	Application Numbe	r	10/714,307				
OIA FORM	Filing Date		November 14, 2003				
(to be used for all correspondence after to	(to be used for all correspondence after initial filing)		or	Xeuping Xu			
FEB 2 4 2004	:	Group Art Unit		ТВА			
		Examiner Name		ТВА			
Total Number of Pages in This Sub	mission	Attorney Docket Nun	nber	ATMI-687			
ENCLOSURES (check all that apply)							
Fee Transmittal Form	Assignr	nent Papers Application)		After Allowance Communication to Group			
Fee Attached	Drawing	g(s)		Appeal Communication to Board of Appeals and Interferences			
Amendment / Reply	Licensin	ng-related Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)			
After Final	Petition			Proprietary Information			
Affidavits/declaration(s)	Petition Provisio	to Convert to a nal Application		Status Letter			
Extension of Time Request	Power of Attorney, Revocation Change of Correspondence Address			Other Enclosure(s) (please identify below):			
Express Abandonment Request		al Disclaimer	Cor	pies of 7 References			
Information Disclosure Statement	Information Disclosure Statement Reques						
Certified Copy of Priority Document(s)	CD, Nu	mber of CD(s)					
Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks						
SIGNAT	URE OF APPLIC	CANT, ATTORNEY, O	R _. AG	ENT			
Firm William F. Ryann, F Individual name	Reg. No. 44,313		٠				
Signature Signature	- +. F						
Date February 19, 2004	` ` `	. • ~					
	CERTIFICATE OF MAILING						
I hereby certify that this correspondence is being deposited pursuant to 37 C.F.R. 1.8 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 2/19/2004							
Type or printed name Lee Ann DilCell	°	\	D-1	0/40/0004			
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Xeuping Xu, et al.

Group Art Unit: TBA

U.S. Application No.: 10/714,307

Examiner: TBA

Filed: November 14, 2003

Title: VICINAL GALLIUM NITRIDE SUBSTRATE FOR HIGH QUALITY HOMOEPITAXY

CERTIFICATE OF MAILING

I hereby certify that this paper or fee is being deposited pursuant to 37 CFR 1.8

on the date indicated below and is addressed to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA

Lee Ann DiLello

February 19, 2004

Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

I. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR
 § 1.56 and
 § 1.97(b).

2 .	nformation Disclosure Statement is being filed more than three months after the ling date AND after the mailing date of the first Office Action on the merits, but the mailing date of a Final Rejection or Notice of Allowance.	
	□ a.	I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
	□ b.	I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
	□ c.	Attached is our check no in the amount of \$180 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
□ 3.	U.S. fi but be Disclo \$130.0 Depos	information Disclosure Statement is being filed more than three months after the aling date and after the mailing date of a Final Rejection or Notice of Allowance, fore payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information sure Statement be considered. Attached is our check no in the amount of 00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit it Account No as needed to ensure consideration of the disclosed information. uplicate copies of this paper are attached.
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□ 4.	(other)) :

Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

William F. Ryann

Registration No. 44,313 Attorney for Applicant

Advanced Technology Materials, Inc.

7 Commerce Drive Danbury, CT 06810 Agent Ref: ATMI-687

FORM PTO-1449		US Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO.		SERIAL NO.		
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				APPLICANT				
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			U.S. 1	PATENT DOCUMENTS		IDA		
EXAMINER INITIAL	G TRADEN RATIONT		ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	5,637,531	6/10/1997	Porowski, et al.	03.135	0000000	-	<u> </u>
	AB	6,455,877	9/24/2002	Ogawa, et al.				
	AC	2001/0030329	10/18/2001	Ueta, et al.				
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EXAMINER citation if no	: Initia	al if citation consider	ered, whether or considered. Incl	not citation is in conformancude copy of this form with ne	e with MPE	P § 609; Draw cation to the a	line through	gh .